

ABSTRACT:

An elongation cord adapted for the reinforcement of elastomer structures has a polymer core and three to nine strands twisted around the core with a cord twisting step in a cord twisting direction. At least one of the strands has a first group of filaments and a second group of filaments. The first group of filaments is twisted with a first twisting step in a first twisting direction and the second group of filaments is twisted with a second twisting step in a second twisting direction. The first twisting step is different from the second twisting step or the first twisting direction is different from the second twisting direction, or both. The first twisting direction is equal to the cord twisting direction and the first twisting step is equal to the cord twisting step.